



Department of Commerce

## Safety & Buildings Division

201 West Washington Avenue

P.O. Box 2658

Madison, WI 53701-2658

Evaluation # 200213-I (Replaces 960080-I)

# Wisconsin Building Products Evaluation

Material

Icynene Insulation System®

Manufacturer

Icynene Inc.  
5805 Whittle Rd. Suite 110  
Mississauga, Ontario L4Z 2J1  
Canada

### SCOPE OF EVALUATION

The (UDC), requirements below are in accordance with the current Wisconsin Administrative Uniform Dwelling Code:

- **Foam Plastic Material:** The Icynene Insulation System® was evaluated under the foam plastic requirements in accordance with s. **Comm 21.11**.

The **Comm** requirements below are in accordance with the current Wisconsin Administrative Building And Heating, Ventilating And Air Conditioning Code:

- **Foam Plastic Material:** The Icynene Insulation System® was evaluated under the foam plastic requirements in accordance with s. **Comm 51.06(1)**, **(2)** and s. **Comm 51.06(3)**.

The **IBC** requirements below are in accordance with of the Wisconsin Amended ICC 2000 Code (**effective 7/1/02**):

- **Foam Plastic Material:** The Icynene Insulation System® was evaluated under the foam plastic requirements in accordance with ss. **IBC 2603.1**, **2603.2**, **2603.3**, **2603.4**, **2603.4.1.7** and s. **2603.4.1.9**.

### DESCRIPTION AND USE

Icynene is a low density, semiflexible, spray-applied foam plastic insulation material. It is a vapor-permeable product with open cells that contain only air. Less than 5 minutes of curing time is needed. After curing, Icynene remains semi-flexible.

### **TESTS AND RESULTS**

ASTM E 84 tests showed a flame spread rating of less than 75 and a smoke developed rating of less than 450, when installed at a maximum thickness of 5.5 inches and a nominal density of  $0.5 \pm 10\%$  pounds per cubic foot.

### **LIMITATIONS OF APPROVAL**

The (UDC), limitations below are in accordance with the current Wisconsin Administrative Uniform Dwelling Code:

- The Icynene Insulation System<sup>®</sup> shall be separated from the building interior with a thermal barrier as required by s. **Comm 21.11 (1)**.
- A vapor retarder shall be provided as required under ss. **Comm 22.05 (1) and 22.11 (1)**.
- The 1-inch air space in cathedral ceiling assemblies normally required under s. **Comm 22.05 (3) (a) 3.**, for non-rigid insulation is not required when using Icynene.

The **Comm** limitations below are in accordance with the current Wisconsin Administrative Building And Heating, Ventilating And Air Conditioning Code:

- The Icynene Insulation System<sup>®</sup> shall be separated from the building interior with a thermal barrier as required by s. **Comm 51.06 (3)**.

The **IBC** limitations below are in accordance with of the Wisconsin Amended ICC 2000 Code (**effective 7/1/02**):

- The Icynene Insulation System<sup>®</sup> shall be separated from the building interior with a thermal barrier as required by s. **2603.4**.

The limitations below are in accordance with **all** the codes listed above:

- The maximum thickness of applied material shall not exceed 5.5 inches.
- Icynene shall be protected from the weather after application.
- Icynene foam application shall be done only by factory-certified contractors.

This approval will be valid through December 31, 2007, unless manufacturing modifications are made to the product or a re-examination is deemed necessary by the department. The Wisconsin Building Product Evaluation number must be provided when plans that include this product are submitted for review.

### **DISCLAIMER**

The department is in no way endorsing or advertising this product. This approval addresses only the specified applications for the product and does not waive any code requirement not specified in this document.

Revision Date:

Approval Date: February 25, 2002

By: \_\_\_\_\_

Lee E. Finley, Jr.  
Product & Material Review  
Integrated Services Bureau